clarion

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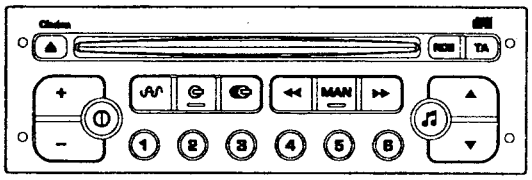
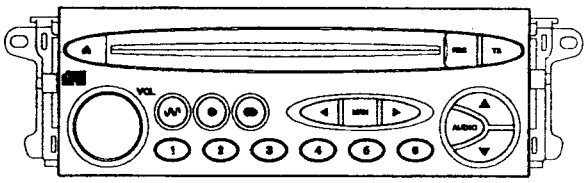
Service Manual

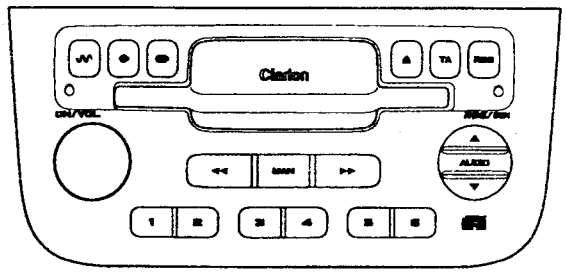
CLIENT : 2N CAR HI-FI CDE N° 218200
DATE CDE : 20/09/02 VOTRE REF :ORDER E-04 MODE CDE : MINITEL
REF. CDEE : DOC.PU2471/72/ REF. LIVR : DOC.PU2471/72/
QTE CDEE : 1 QTE LIV : 1 RELQ : 0 1C11



PU-2471A



PU-2472A, B (WITH DUMMY COVER) / PU-2472C



PU-2473A, B

PEUGEOT/CITROEN
Automobile Genuine
RDS/FM/MW/LW Radio
& CD Stereo Player

Model **PU-2471A-A**

Model **PU-2471A-B**

Model **PU-2471A-C**

Model **PU-2471A-D**

Model **PU-2471A-E**

Model **PU-2471A-F**

Model **PU-2472A-A**

Model **PU-2472B-A**

Model **PU-2472B-B**

Model **PU-2472C-A**

Model **PU-2472C-B**

Model **PU-2473A-A**

Model **PU-2473A-B**

SPECIFICATIONS

LW tuner section

Tuning system:	PLL frequency synthesizer system
Receive range:	153kHz to 279kHz
Quieting sensitivity:	Less than 43dB μ(at 20dB S/N)
Auto tuning stop sensitivity:	
	35±10dB μ(DX)
	62±10dB μ(LO)

MW tuner section

Tuning system:	PLL frequency synthesizer system
Receive range:	531kHz to 1,602kHz
Quieting sensitivity:	Less than 36dB μ(at 20dB S/N)
Auto tuning stop sensitivity:	
	35±10dB μ(DX)
	62±10dB μ(LO)

FM tuner section

Tuning system:	PLL frequency synthesizer system
Receive range:	87.5MHz to 108.0MHz
Intermediate frequency:	
	10.7MHz
Quieting sensitivity:	Less than 13dB μ(at 30dB S/N)
Separation:	More than 20dB
Auto tuning stop sensitivity:	
	21±8dB μ(DX)
	47±10dB μ(LO)

CD player section

Separation:	More than 65dB(1kHz)
S/N ratio:	More than 80dB(1kHz)
Distortion:	Less than 1.0%(1kHz)

General

Audio Power output:	More than 10W×4
Power supply voltage:	DC13.5V Negative ground
Current consumption:	Less than 10A
Dimensions(mm):	178(W)×50(H)×160(D)

※ Specifications and design are subject to change without notice for further improvement.

COMPONENTS

PU-2471A-A,A-B,A-C,A-D,A-E,A-F
/PU-2472A-A,B-A,B-B,C-A,C-B
/PU-2473A-A,A-B

Main unit ----- 1

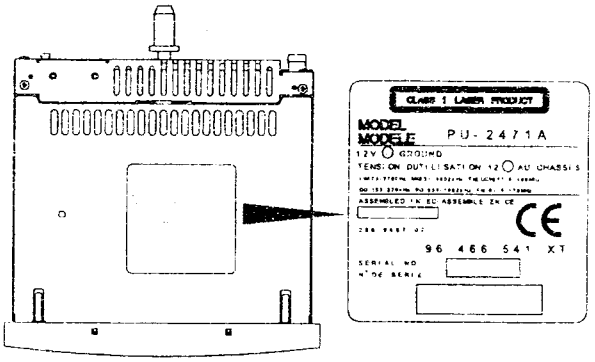
NOTES

※ We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.

※ Prevent damage caused by static electricity when repairing the pick-up.
The pattern of the pick-up is short-circuiting for prevention. Remove the soldering with a solder iron whose insulation resistance is larger than 10MΩ(DC500V) after complete connection to the main PWB. For repair table shall use copper or conductive sheet (with impedance is lower to 100MΩ from 1MΩ) such as a sheet.
- Be sure to put on a wrist-strap for prevent electric static's (with impedance is to 100MΩ from 1MΩ). The strap works to drain away the static electricity build-up on the human body.
And as static electricity build-up on clothes is not drained away, be careful and not your clothes to touch the pick-up.
Position of short soldering for pick-up protection position is different by model. Some units have two short soldering points. Always short LD circuit to open the short circuit and removes by soldering iron.

CAUTIONS

※ This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not try to open the enclosure.



To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.
   The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.
   The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.
2. Place the parts and wiring back in their original positions after replacement or re-wiring.
   For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.
   If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.
3. Check for safety after repair.
   Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary ploblems around the repaired spots.
   If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
4. Caution in removal and making wiring connection to the parts for the automobile.
   Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur.
   If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
5. Cautions regarding chips.
   Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.
6. Cautions in handling flexible PWB
   Before working with a soldering iron, make sure that the iron tip temperature is around 270℃. Take care not to apply the iron tip repeatedly(more than three times)to the same patterns. Also take care not to apply the tip with force.
7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.
8. Cautions in checking that the optical pickup lights up.
   The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.
9. Cautions in handling the optical pickup
   The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

9-1. Laser diode
   The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

9-2. Actuator
   The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

9-3. Cleaning the lens
   Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

EXPLANATION OF IC

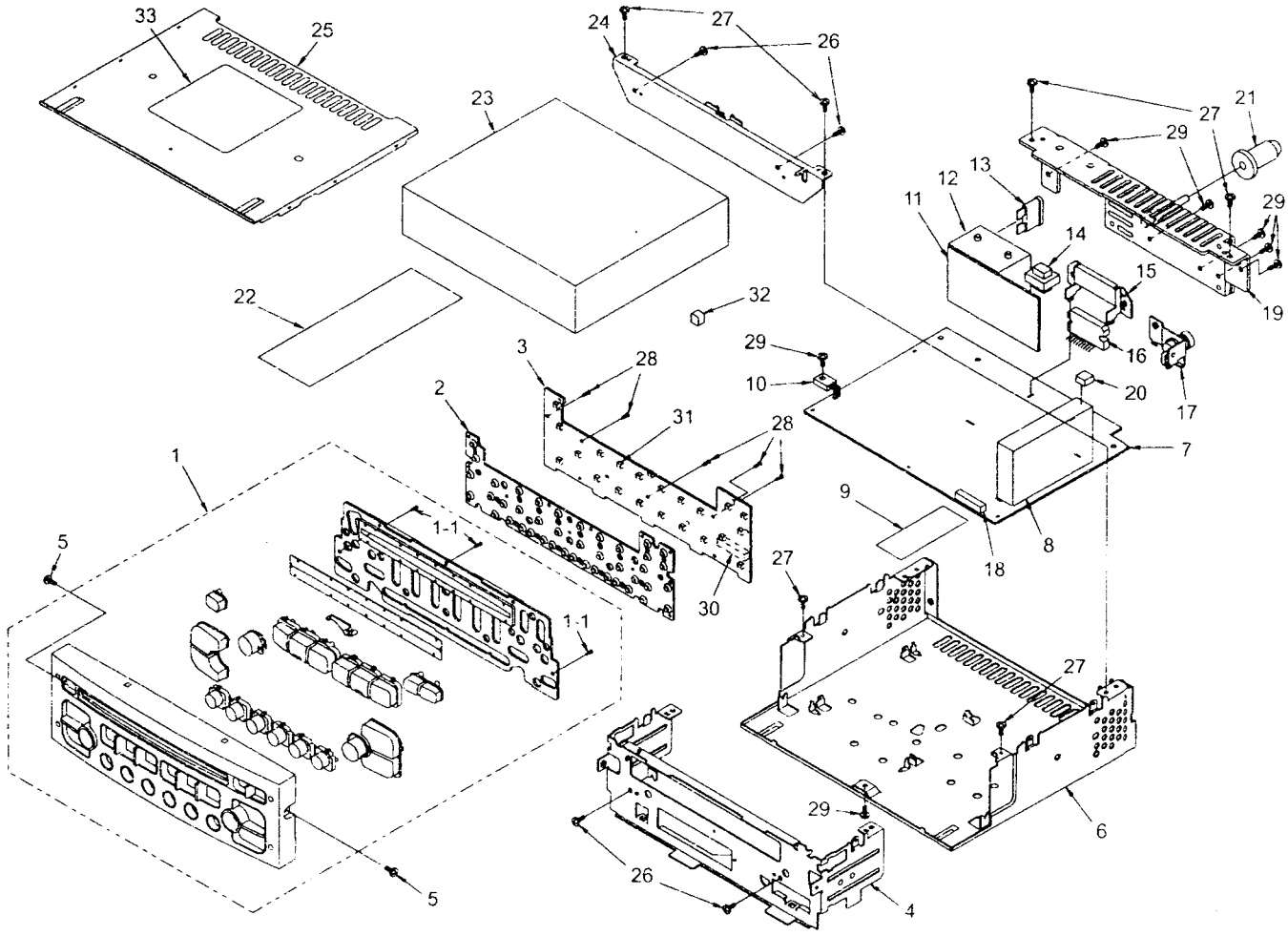
052-1170-12 uPD784216BYGC-109-8EU CD & Radio System Controller

1.Terminal Description

pin 1: KI 1	IN	Key scan signal input.
pin 2: KI 2	IN	Key scan signal input.
pin 3: KI 3	IN	Key scan signal input.
pin 4: KI 4	IN	Key scan signal input.
pin 5: KI 5	IN	Key scan signal input.
pin 6: NU	-	Not in use.
pin 7: NU	-	Not in use.
pin 8: NU	-	Not in use.
pin 9: VDD	-	Positive supply voltage.
pin 10: X 2	-	Crystal connection.
pin 11: X 1	-	Crystal connection.
pin 12: VSS	-	Negative supply voltage.
pin 13: NU	-	Not in use.
pin 14: NU	-	Not in use.
pin 15: RESET	IN	Reset signal input.
pin 16: SBSY	IN	Sub code sync input.
pin 17: VAN INT	IN	The interrupt signal input from the VAN Bus.
pin 18: KI 0	IN	Key scan signal input.
pin 19: RDS CLK	IN	RDS clock pulse input.
pin 20: RDS DATA	IN	RDS serial data input.
pin 21: BU DET	IN	Backup detection signal input.
pin 22: +VAN DET	IN	+VAN ON signal input.
pin 23: A VDD	-	Positive supply voltage for the Analog section.
pin 24: A Vref	IN	Reference voltage for ADC.
pin 25: NU	-	Not in use.
pin 26: FM S METER	IN	The input terminal of Internal A/D converter to monitor the radio field strength for FM.
pin 27: DIAG PAHAN	IN	Phantom circuit status input.
pin 28: NU	-	Not in use.
pin 29: IF BAND	IN	IF band width.
pin 30: NU	-	Not in use.
pin 31: NU	-	Not in use.
pin 32: MUTE DET	IN	The input terminal of the internal ADC for sensing the backup voltage.
pin 33: A VSS	-	Analog ground.
pin 34: NU	-	Not in use.
pin 35: NU	-	Not in use.
pin 36: A Vref	IN	Reference voltage for ADC.
pin 37: MISO	IN	The serial data input from the VAN control IC.
pin 38: MISIO	O	The serial data output to the VAN control IC.
pin 39: SCLK	O	The clock pulse output to the VAN control IC.
pin 40: NU	-	Not in use.
pin 41: NU	-	Not in use.
pin 42: A MUTE	O	The audio mute signal output.
pin 43: S SO	O	Slave chip select signal output.
pin 44: BEEP	O	Beep out.
pin 45: SDAT	O	The serial data output to the tuner pack.
pin 46: VAN RESET	O	The reset pulse output to VAN control IC.
pin 47: S CL 1	O	The clock pulse output for the tuner pack.
pin 48: 12V SW	O	ON signal output to the external power supply.
pin 49: 5V REM	O	ON signal output to the 5V power supply.
pin 50: 14V REM	O	ON signal output to the 14V power supply.
pin 51: +VAN ON	O	+VAN ON signal output.
pin 52: VAN WU	O	The Wake up signal output to VAN-BUS-IC.
pin 53: TEL MUTE	IN	Telephone mute command input.
pin 54: CD 8V ON	O	ON signal output to the CD 8V power supply.
pin 55: NU	-	Not in use.
pin 56: S DA CO	O	The serial data output to the CASP IC.
pin 57: S CLK CO	O	The clock pulse output to the CASP IC.
pin 58: NU	-	Not in use.
pin 59: NU	-	Not in use.
pin 60: NU	-	Not in use.
pin 61: NU	-	Not in use.
pin 62: NU	-	Not in use.
pin 63: NU	-	Not in use.
pin 64: NU	-	Not in use.
pin 65: NU	-	Not in use.
pin 66: NU	-	Not in use.
pin 67: NU	-	Not in use.
pin 68: NU	-	Not in use.
pin 69: NU	-	Not in use.
pin 70: NU	-	Not in use.
pin 71: NU	-	Not in use.
pin 72: VSS	-	Negative supply voltage.
pin 73: NU	-	Not in use.
pin 74: CD CHO	O	CD check signal output.
pin 75: CD DET	IN	CD mechanism is connected = "H".
pin 76: No Exp	-	No explanation.
pin 77: No Exp	-	No explanation.
pin 78: No Exp	-	No explanation.
pin 79: No Exp	-	No explanation.
pin 80: No Exp	-	No explanation.
pin 81: VDD	-	Positive supply voltage.
pin 82: DIMMER CNT	O	Dimmer control signal output.
pin 83: No Exp	-	No explanation.
pin 84: No Exp	-	No explanation.
pin 85: No Exp	-	No explanation.
pin 86: No Exp	-	No explanation.
pin 87: No Exp	-	No explanation.
pin 88: No Exp	-	No explanation.
pin 89: No Exp	-	No explanation.
pin 90: No Exp	-	No explanation.
pin 91: No Exp	-	No explanation.
pin 92: VOLAI	IN	Volume control pulse input from the rotary encoder.
pin 93: VOLBI	IN	Volume control pulse input from the rotary encoder.
pin 94: VPP	-	Connect to ground.
pin 95: CD 5V ON	O	Power supply control signal output for the 5V power supply of the CD mechanism.
pin 96: AM ON	O	AM ON flag output.
pin 97: KO 0	O	Key scan output terminal.
pin 98: KO 1	O	Key scan output terminal.
pin 99: KO 2	O	Key scan output terminal.
pin100: KO 3	O	Key scan output terminal.

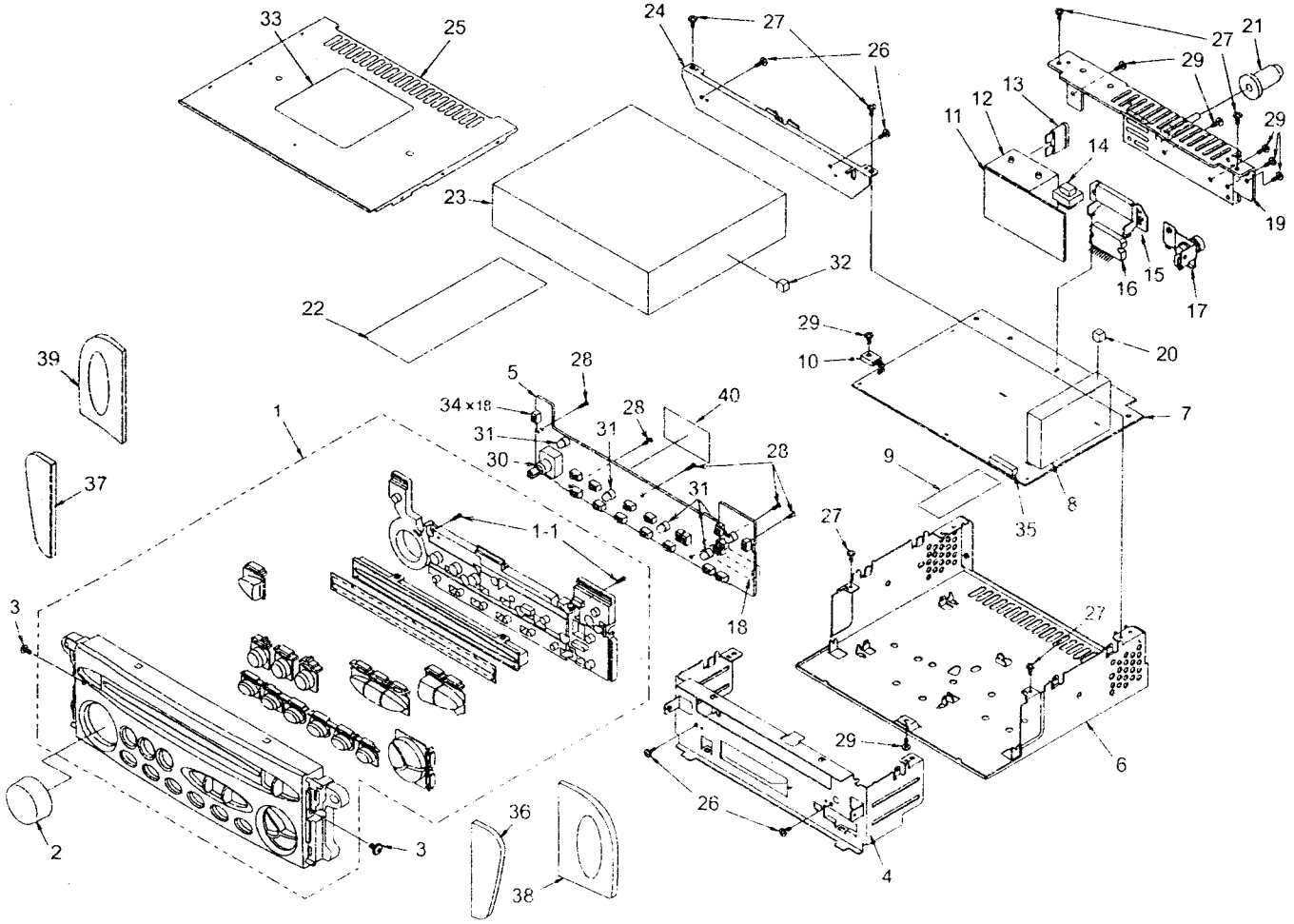
EXPLODED VIEW • PARTS LIST

Main section : PU-2471A



NO.	PART NO.	DESCRIPTION	Q'TY
1	940-7915-61 940-7915-62 940-7915-63	ESCUTCHEON ASSY (2471A-A,A-D,A-E,A-F) ESCUTCHEON ASSY(2471A-C) ESCUTCHEON ASSY(2471A-B)	1
1-1	716-0778-10	WAVE SCREW	3
2	345-8532-00	RUBBER SWITCH	1
3	039-1806-00	SWITCH PWB (WITHOUT COMPONENT)	1
4	309-0759-10	FRONT PLATE	1
5	780-2605-00	IT IB SCREW(M2.6X5)	2
6	311-1808-01	LOWER CASE	1
7	039-2047-00	MAIN PWB (WITHOUT COMPONENT)	1
8	880-2088A	TUNER PACK(FM/MW/LW)	1
9	816-2525-01	FLAT WIRE	1
10	102-3420-00	TRANSISTOR(2SC3420)	1
11	039-1805-00	ISO PWB (WITHOUT COMPONENT)	1
12	074-1159-01	OUTLET SOCKET	1
13	060-0057-56	AUTO FUSE(10A)	1
14	009-9006-60	CHOKE	1
15	331-2574-00	IC HOLDER	1
16	051-2013-00	IC(TDA7385)	1
17	331-2989-00	ANT HOLDER	1

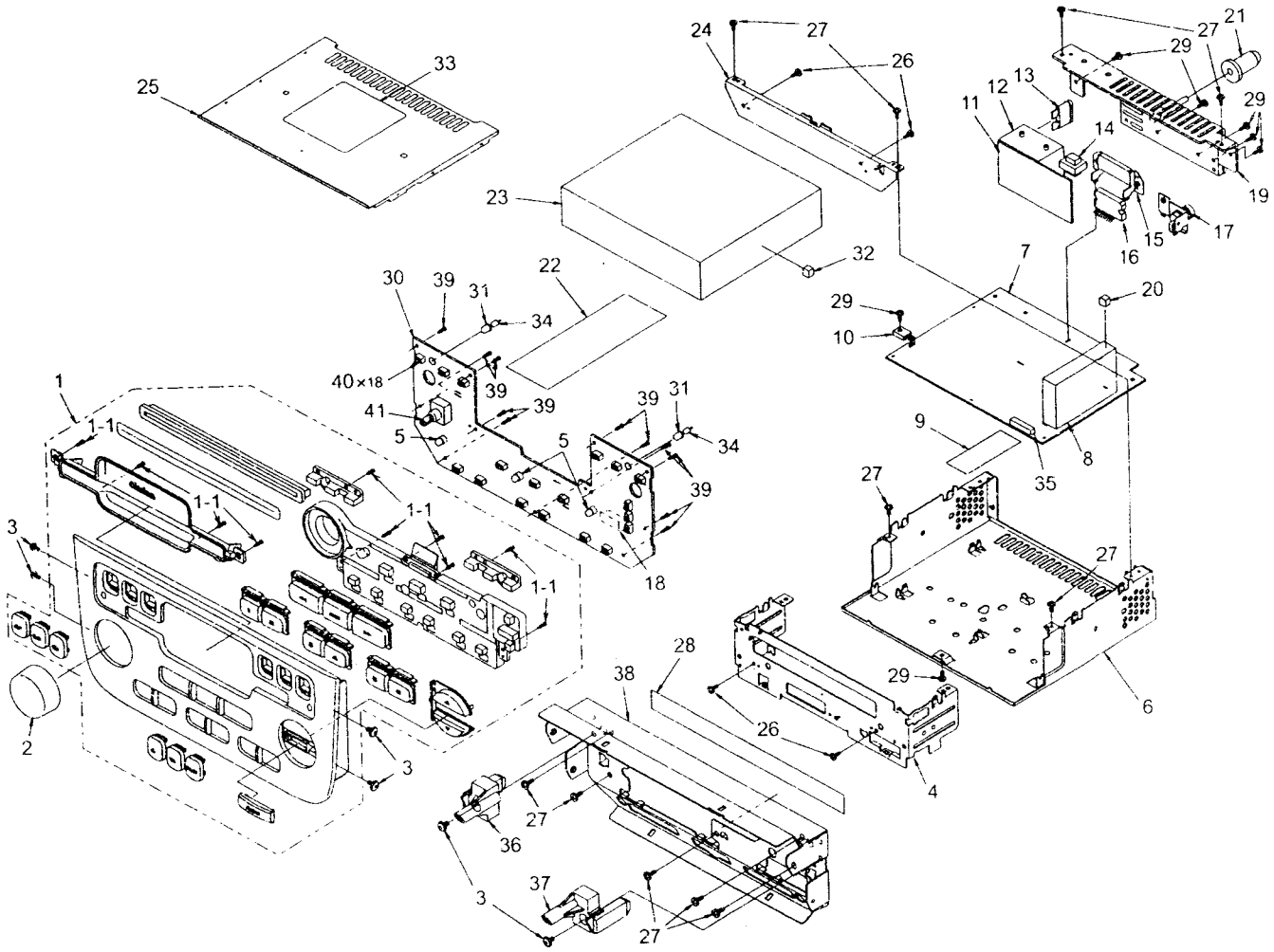
NO.	PART NO.	DESCRIPTION	Q'TY
18	074-1237-68	OUTLET SOCKET(18P)	1
19	313-1796-00	HEATSINK	1
20	345-8581-02	GASKET	1
21	345-4847-21	STOPPER	1
22	816-2564-01	FLAT WIRE	1
23	929-0220-80	CD MECHANISM	1
24	331-3377-00	MECHANISM BRACKET	1
25	310-1713-00	UPPER COVER	1
26	714-2603-81	MACHINE SCREW(M2.6X3)	4
27	731-2606-80	TAPTIGHT(M2.6X6)	6
28	716-0778-10	WAVE SCREW	5
29	714-2606-81	MACHINE SCREW(M2.6X6)	7
30	074-1228-68	OUTLET SOCKET(18P)	1
31	001-7053-90 001-7053-91	DIODE(2471A-A,A-B,A-C,A-E) DIODE(2471A-D,A-F)	22
32	345-8581-03	GASKET	1
33	286-9487-07 286-9487-08 286-9487-14 286-9487-21 286-9487-23 286-9487-24	SETPLATE(2471A-A) SETPLATE(2471A-B) SETPLATE(2471A-C) SETPLATE(2471A-D) SETPLATE(2471A-E) SETPLATE(2471A-F)	1



NO.	PART NO.	DESCRIPTION	Q'TY
1	940-7897-66 940-7897-73	ESCUTCHEON ASSY(2472A,C) ESCUTCHEON ASSY(2472B)	1
1-1	716-0778-00	WAVE SCREW	2
2	380-5439-11	KNOB	1
3	780-2605-00	IT IB SCREW(M2.6×5)	2
4	309-0774-10	FRONT PLATE	1
5	039-1936-00	SWITCH PWB (WITHOUT COMPONENT)	1
6	311-1808-11	LOWER CASE	1
7	039-2047-00	MAIN PWB (WITHOUT COMPONENT)	1
8	880-2088A	TUNER PACK(FM/MW/LW)	1
9	816-2525-01	FLAT WIRE	1
10	102-3420-00	TRANSISTOR(2SC3420)	1
11	039-1805-00	ISO PWB (WITHOUT COMPONENT)	1
12	074-1159-01	OUTLET SOCKET	1
13	060-0057-56	AUTO FUSE(10A)	1
14	009-9006-60	CHOKE	1
15	331-2574-00	IC HOLDER	1
16	051-2013-00	IC(TDA7385)	1
17	331-2989-00	ANT HOLDER	1
18	074-1228-68	OUTLET SOCKET(18P)	1
19	313-1796-00	HEATSINK	1
20	345-8581-02	GASKET	1

NO.	PART NO.	DESCRIPTION	Q'TY
21	345-4847-21	STOPPER	1
22	816-2564-01	FLAT WIRE	1
23	929-0220-80	CD MECHANISM	1
24	331-3377-00	MECHANISM BRACKET	1
25	310-1713-10	UPPER COVER	1
26	714-2603-81	MACHINE SCREW(M2.6×3)	4
27	731-2606-80	TAPTIGHT(M2.6×6)	6
28	716-0778-10	WAVE SCREW	5
29	714-2606-81	MACHINE SCREW(M2.6×6)	7
30	016-0010-16	ROTARY ENCODER	1
31	017-0454-02	PILOT LAMP(14V40mA)	5
32	345-8581-03	GASKET	1
33	286-9487-09 286-9487-10 286-9487-11 286-9487-25 286-9487-26	SETPLATE(2472A-A) SETPLATE(2472B-A) SETPLATE(2472C-A) SETPLATE(2472B-B) SETPLATE(2472C-B)	1
34	013-3741-11	SWITCH	18
35	074-1237-68	OUTLET SOCKET(18P)	1
36	335-5904-00	DUMMY COVER(2472A)	1
37	335-5905-00	DUMMY COVER(2472A)	1
38	335-6315-10	DUMMY COVER(2472B)	1
39	335-6316-10	DUMMY COVER(2472B)	1
40	345-5162-00	INSULATOR	1

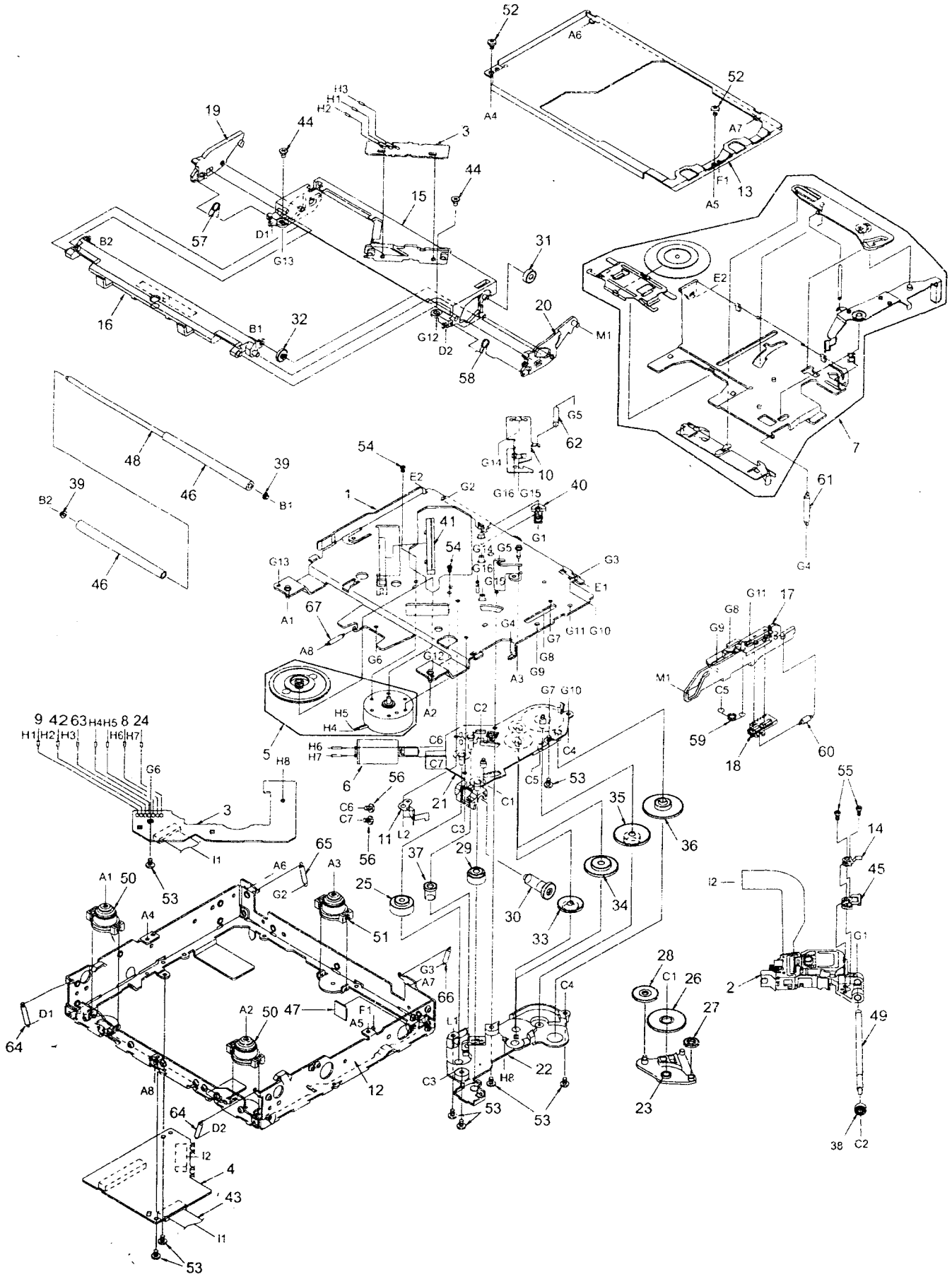
Main section : PU-2473A



NO.	PART NO.	DESCRIPTION	Q'TY
1	940-7869-65	ESCUTCHEON ASSY	1
1-1	716-0778-00	WAVE SCREW	10
2	380-5430-01	KNOB	1
3	780-2605-00	IT IB SCREW(M2.6×5)	6
4	309-0775-10	FRONT PLATE	1
5	017-0454-00	PILOT LAMP(14V40mA)	3
6	311-1808-21	LOWER CASE	1
7	039-2047-00	MAIN PWB (WITHOUT COMPONENT)	1
8	880-2088A	TUNER PACK(FM/MW/LW)	1
9	816-2525-01	FLAT WIRE	1
10	102-3420-00	TRANSISTOR(2SC3420)	1
11	039-1805-00	ISO PWB (WITHOUT COMPONENT)	1
12	074-1159-01	OUTLET SOCKET	1
13	060-0057-56	AUTO FUSE(10A)	1
14	009-9006-60	CHOKE	1
15	331-2574-00	IC HOLDER	1
16	051-2013-00	IC(TDA7385)	1
17	331-2989-00	ANT HOLDER	1
18	074-1228-68	OUTLET SOCKET(18P)	1
19	313-1796-00	HEATSINK	1
20	345-8581-02	GASKET	1

NO.	PART NO.	DESCRIPTION	Q'TY
21	345-4847-21	STOPPER	1
22	816-2564-01	FLAT WIRE	1
23	929-0220-80	CD MECHANISM	1
24	331-3377-00	MECHANISM BRACKET	1
25	310-1713-10	UPPER COVER	1
26	714-2603-81	MACHINE SCREW(M2.6×3)	4
27	731-2606-80	TAPTIGHT(M2.6×6)	11
28	347-5925-00	HOLE COVER	1
29	714-2606-81	MACHINE SCREW(M2.6×6)	7
30	039-1937-00	SWITCH PWB (WITHOUT COMPONENT)	1
31	345-3814-79	LAMP CAP	2
32	345-8581-03	GASKET	1
33	286-9487-12 286-9487-22	SETPLATE(2473A-A) SETPLATE(2473A-B)	1
34	017-0345-09	PILOTLAMP(14V40mA)	2
35	074-1237-68	OUTLET SOCKET(18P)	1
36	335-5750-01	MOUNTING MOLD	1
37	335-5749-01	MOUNTING MOLD	1
38	309-0716-11	FRONT PLATE	1
39	716-0778-10	WAVE SCREW	11
40	013-3741-11	SWITCH	18
41	016-0010-12	ROTARY ENCODER	1

CD mechanism section : 929-0220-80



NO.	PART NO.	DESCRIPTION	Q'TY
1	966-0595-24	DRIVE PLATE ASSY	1
2	969-0060-30	PICK UP UNIT	1
3	039-1944-21	LED PWB (WITHOUT COMPONENT)	1
4	039-1945-20	CD PWB (WITHOUT COMPONENT)	1
5	SMA-182-100	MOTOR ASSY(SPINDLE)	1
6	SMA-183-100	MOTOR ASSY(SLED)	1
7	HBS-516-100	CLAMPER SUB ASSY	1
8	803-4906-60	VINYL COAT WIRE(ORG)	1
9	816-2591-00	LEAD WIRE(YEL)	1
10	620-1025-21	ID-LOCK PLATE	1
11	620-1026-21	SPRING PLATE	1
12	620-1027-24	LOWER CHASSIS	1
13	620-1028-21	UPPER CHASSIS	1
14	620-1029-21	SH-SPRING	1
15	621-0598-25	UPPER GUIDE	1
16	621-0599-25	ROLLER GUIDE	1
17	621-0600-25	SHIFT LEVER	1
18	621-0601-21	RACK	1
19	621-0602-22	LOCK ARM L	1
20	621-0603-23	LOCK ARM R	1
21	621-0604-21	GEAR BASE	1
22	621-0605-21	GEAR COVER	1
23	621-0606-21	IDLE CASE	1
24	816-2590-00	VINYL COAT WIRE(GRN)	1
25	621-0608-21	SECOND GEAR	1
26	621-0609-20	BASE GEAR	1
27	621-0610-20	IDLE GEAR A	1
28	621-0611-20	IDLE GEAR B	1
29	621-0612-21	ROLLER GEAR A	1
30	621-0613-20	ROLLER GEAR B	1
31	621-0614-20	ROLLER GEAR C	1
32	621-0615-21	ROLLER GEAR D	1
33	621-0616-20	POWER GEAR A	1

NO.	PART NO.	DESCRIPTION	Q'TY
34	621-0617-20	POWER GEAR B	1
35	621-0618-20	POWER GEAR C	1
36	621-0619-20	POWER GEAR D	1
37	621-0620-20	THREAD GEAR A	1
38	621-0621-20	THREAD GEAR B	1
39	621-0622-21	ROLLER SLEEVE	2
40	621-0623-21	LS-HOLDER	1
41	621-0624-21	GUIDE RAIL	1
42	816-2593-00	LEAD WIRE(PUR)	1
43	816-2542-01	FLAT WIRE(10P)	1
44	716-3473-00	SCREW	2
45	621-0628-21	SH-BASE	1
46	621-0629-20	LOADING ROLLER	2
47	345-8704-20	CUSHION RUBBER	1
48	622-1571-21	ROLLER SHAFT	1
49	624-0018-01	LEAD SCREW	1
50	629-0081-20	DAMPER F	2
51	629-0082-20	DAMPER R	1
52	714-2003-81	MACHINE SCREW	2
53	716-1507-00	SCREW	8
54	716-1733-00	SCREW	2
55	716-3469-00	SPECIAL SCREW	2
56	716-3446-00	SCREW	2
57	750-3465-21	ROLLER SPRING L	1
58	750-3466-20	ROLLER SPRING R	1
59	750-3467-21	SHIFT SPRING	1
60	750-3468-20	RACK SPRING	1
61	750-3469-20	CLAMPER SPRING	1
62	750-3470-20	ID-LOCK SPRING	1
63	816-2592-00	LEAD WIRE(BLU)	1
64	750-3472-21	DR-SPRING F	2
65	750-3473-20	DR-SPRING RA	1
66	750-3474-20	DR-SPRING RB	1
67	750-3475-21	DR-SPRING C	1

■ ELECTRICAL PARTS LIST

Note) Several different parts of the same reference number are alternative parts. One of those parts is used in the set.

Main PWB section(B1)

REF No.	PART No.	DESCRIPTION
BL51	880-2088A	AM/FM TUNER PACK
C1	183-1063-37	16V10 μF
C2	168-3332-78	0.033 μF
C3	168-1042-78	16V 0.1 μF
C6	183-4763-17	6.3V47 μF
C51	168-1022-55	1000pF
C56	168-2232-55	0.022 μF
C57	166-1011-50	100pF CH
C58	168-1032-55	0.01 μF
C59	168-1022-55	1000pF
C60	168-1222-55	1200pF
C61	166-1011-50	100pF CH
C105	183-2253-67	50V2.2 μF
C106	168-3312-55	330pF
C107	168-5612-55	560pF
C108	166-4701-50	47pF CH
C109	166-5601-50	56pF CH
C111	168-1042-78	16V 0.1 μF
C113	183-4763-17	6.3V47 μF

REF No.	PART No.	DESCRIPTION
C146	168-1032-55	0.01 μF
C201	166-3301-50	33pF CH
C202	168-1042-78	16V 0.1 μF
C203	183-1063-37	16V10 μF
C204	168-1022-55	1000pF
C205	168-3322-55	3300pF
C206	168-3322-55	3300pF
C207	168-2722-55	2700pF
C208	168-2722-55	2700pF
C209	168-4722-55	4700pF
C210	168-4722-55	4700pF
C211	168-1042-78	16V 0.1 μF
C212	168-1032-55	0.01 μF
C213	168-1042-78	16V 0.1 μF
C214	168-6822-55	6800pF
C215	168-6822-55	6800pF
C216	168-1042-78	16V 0.1 μF
C217	168-2232-55	0.022 μF
C218	168-4712-55	470pF
C219	168-1032-55	0.01 μF

REF No.	PART No.	DESCRIPTION
C220	178-2242-78	0.22 μF
C221	178-2242-78	0.22 μF
C222	168-6822-55	6800pF
C223	168-1032-55	0.01 μF
C224	178-3342-78	0.33 μF
C225	168-3332-78	0.033 μF
C226	168-2722-55	2700pF
C227	178-1542-78	0.15 μF
C228	178-2242-78	0.22 μF
C229	178-2242-78	0.22 μF
C230	183-2263-37	16V22 μF
C231	183-1053-67	50V1 μF
C232	168-3312-55	330pF
C233	183-2253-67	50V2.2 μF
C234	168-3312-55	330pF
C235	183-1053-67	50V1 μF
C236	183-4743-67	50V0.47 μF
C237	183-4743-67	50V0.47 μF
C238	183-4743-67	50V0.47 μF
C239	183-4743-67	50V0.47 μF

REF No.	PART No.	DESCRIPTION
C240	178-2242-78	0.22 μF
C241	178-2242-78	0.22 μF
C242	168-1032-55	0.01 μF
C243	168-3332-78	0.033 μF
C244	168-2722-55	2700pF
C245	178-1542-78	0.15 μF
C247	168-1042-78	16V 0.1 μF
C249	183-4763-37	16V47 μF
C250	168-1042-78	16V 0.1 μF
C251	168-1042-78	16V 0.1 μF
C252	183-4763-37	16V47 μF
C254	168-2732-55	16V 0.027 μF
C255	166-1811-50	180pF CH
C256	166-1811-50	180pF CH
C301	183-1053-67	50V1 μF
C302	183-4763-37	16V47 μF
C307	178-4742-78	0.47 μF
C308	172-1041-15	0.1 μF
C309	184-3383-32	16V3300 μF
C310	183-4753-57	35V4.7 μF
C401	166-4701-50	47pF CH
C402	166-4701-50	47pF CH
C403	166-4701-50	47pF CH
C404	166-5601-50	56pF CH
C405	166-3301-50	33pF CH
C406	042-0416-55	16V15 μF TAN
C407	168-1032-55	0.01 μF
C408	042-0452-82	16V100 μF
C409	168-1042-78	16V 0.1 μF
C410	168-1032-55	0.01 μF
C411	166-1511-50	150pF CH
C412	166-1511-50	150pF CH
C413	168-1042-78	16V 0.1 μF
C501	168-1042-78	16V 0.1 μF
C502	172-2241-15	0.22 μF
C503	168-1042-78	16V 0.1 μF
C504	183-1073-17	6.3V100 μF
C506	183-3353-67	50V3.3 μF
C507	183-1073-17	6.3V100 μF
C508	172-2241-15	0.22 μF
C509	042-0452-82	16V100 μF
C511	178-2242-78	0.22 μF
C512	042-0621-00	16V470 μF
C513	183-1073-27	10V100 μF
C514	042-0452-81	10V220 μF
C515	168-1042-78	16V 0.1 μF
C516	042-0427-94	16V47 μF TAN
C517	168-1032-55	0.01 μF
C519	172-1031-15	0.01 μF
C520	183-1063-57	35V10 μF
C521	042-0621-00	16V470 μF
C561	168-4732-78	0.047 μF
C562	168-1032-55	0.01 μF
C601	042-0505-84	10V33 μF
C801	168-6832-78	0.068 μF
C802	183-2263-17	6.3V22 μF
C803	168-6832-78	0.068 μF
C804	183-1073-17	6.3V100 μF
C805	166-1501-50	15pF CH
C806	166-1501-50	15pF CH
C811	168-1532-55	0.015 μF
C812	168-1032-55	0.01 μF
CCT801	050-0140-54	1/32W 1kΩ×4J
CCT802	050-0140-54	1/32W 1kΩ×4J
CCT803	050-0140-54	1/32W 1kΩ×4J
CCT804	050-0140-54	1/32W 1kΩ×4J
CCT805	050-0140-54	1/32W 1kΩ×4J
CCT807	050-0140-54	1/32W 1kΩ×4J
CCT808	050-0140-54	1/32W 1kΩ×4J
CCT809	050-0140-54	1/32W 1kΩ×4J
CCT810	050-0140-54	1/32W 1kΩ×4J
CCT811	050-0140-54	1/32W 1kΩ×4J
CCT813	050-0140-54	1/32W 1kΩ×4J
CCT814	050-0140-54	1/32W 1kΩ×4J

REF No.	PART No.	DESCRIPTION
CCT815	050-0140-54	1/32W 1kΩ×4J
CCT816	050-0140-54	1/32W 1kΩ×4J
CCT817	050-0140-54	1/32W 1kΩ×4J
D2	001-2404-90	MA28T-A
D50	001-0330-90	1SS119
D301	001-0330-90	1SS119
D501	001-0330-90	1SS119
D502	001-0330-90	1SS119
D503	001-0346-46	MTZJ9.1A
D504	001-0330-90	1SS119
D505	001-0346-32	MTZJ5.6B
D507	001-0346-46	MTZJ9.1A
D508	001-0330-90	1SS119
D509	001-0346-48	MTZJ9.1C
D510	001-0346-46	MTZJ9.1A
D512	001-0330-90	1SS119
D515	001-0330-90	1SS119
D518	001-0466-90	S5688B
D523	001-0330-90	1SS119
D530	001-0466-90	S5688B
D701	001-0330-90	1SS119
D702	001-0330-90	1SS119
D802	001-0330-90	1SS119
IC1	051-3047-90	LM7301IMX
IC102	051-4607-90	SAA6581T
IC201	051-5018-00	TEA6880H
IC301	051-2013-00	TDA7385
IC401	051-6622-08	TSS463R
IC402	051-6610-18	MTC-30521
IC501	051-3272-90	TDA3606AT
IC800	052-1170-12	uPD784216BYGC-109-8EU
J601	074-1228-76	26P
J602	074-1237-68	18P
L1	010-8017-00	22mH
L2	010-2230-68	4.7 μH
L3	010-2003-04	COIL
L50	010-2230-66	3.3 μH
L51	010-2230-84	100 μH
L201	010-2230-84	100 μH
L401	010-2230-60	1 μH
L402	010-2230-64	2.2 μH
Q1	198-0669-00	2SK669
Q4	192-2712-00	2SC2712
Q5	193-1858-00	2SD1858
Q50	125-9007-90	HN1C01F
Q106	125-0002-96	RN2406
Q301	192-2712-00	2SC2712
Q302	125-2004-92	RN1402
Q401	192-2712-00	2SC2712
Q402	125-2004-96	RN1406
Q501	192-2712-00	2SC2712
Q502	125-0002-92	RN2402
Q503	193-1664-00	2SD1664P,Q,R
Q505	125-0002-92	RN2402
Q507	190-1162-00	2SA1162
Q508	102-3420-00	2SC3420
Q509	190-1162-00	2SA1162
Q510	125-2004-92	RN1402
Q511	190-1298-00	2SA1298
Q512	125-2004-92	RN1402
Q513	193-2118-00	2SD2118
Q516	190-1298-00	2SA1298
Q517	125-2004-92	RN1402
Q518	192-2458-00	2SC2458
Q522	125-2004-92	RN1402
Q523	190-1162-00	2SA1162
Q524	125-2004-92	RN1402
Q526	190-1431-00	2SA1431
R1	032-0140-72	1/4W 470Ω 1%
R2	032-0140-01	1/10W 10Ω
R3	032-0140-01	1/10W 10Ω
R6	119-3301-15	1/16W 33Ω
R7	111-2221-98	1/4W 2.2kΩ

REF No.	PART No.	DESCRIPTION
R50	032-0140-04	1/10W 8.2kΩ
R51	032-0140-72	1/4W 470Ω 1%
R106	119-1521-15	1/16W 1.5kΩ
R107	119-1521-15	1/16W 1.5kΩ
R201	119-1041-15	1/16W 100kΩ
R202	119-2241-15	1/16W 220kΩ
R203	119-8231-15	1/16W 82kΩ
R204	119-4741-15	1/16W 470kΩ
R205	119-6831-15	1/16W 68kΩ
R206	119-1041-15	1/16W 100kΩ
R207	119-2221-15	1/16W 2.2kΩ
R210	119-4721-15	1/16W 4.7kΩ
R211	119-8221-15	1/16W 8.2kΩ
R214	119-1021-15	1/16W 1kΩ
R215	119-1021-15	1/16W 1kΩ
R216	119-1021-15	1/16W 1kΩ
R217	119-1021-15	1/16W 1kΩ
R218	119-2221-15	1/16W 2.2kΩ
R219	119-4721-15	1/16W 4.7kΩ
R220	119-8221-15	1/16W 8.2kΩ
R222	119-1241-15	1/16W 120kΩ
R231	032-0140-50	1/16W 10kΩ 1%
R232	032-0140-50	1/16W 10kΩ 1%
R233	032-0140-50	1/16W 10kΩ 1%
R234	032-0140-50	1/16W 10kΩ 1%
R238	032-0140-50	1/16W 10kΩ 1%
R301	119-1031-15	1/16W 10kΩ
R302	119-1051-15	1/16W 1MΩ
R303	119-1031-15	1/16W 10kΩ
R401	119-4731-15	1/16W 47kΩ
R402	119-4731-15	1/16W 47kΩ
R403	119-4731-15	1/16W 47kΩ
R404	032-0140-50	1/16W 10kΩ 1%
R405	111-4321-98	1/4W 4.3kΩ
R406	111-4321-98	1/4W 4.3kΩ
R407	111-5101-98	1/4W 51Ω
R408	111-5101-98	1/4W 51Ω
R501	119-2231-15	1/16W 22kΩ
R502	119-4731-15	1/16W 47kΩ
R503	032-0140-03	1/16W 220kΩ ±1%
R504	119-2221-15	1/16W 2.2kΩ
R505	119-6821-15	1/16W 6.8kΩ
R506	032-0140-97	1/10W 470kΩ 1%
R507	111-1021-98	1/4W 1kΩ
R511	119-1021-15	1/16W 1kΩ
R512	111-2211-98	1/4W 220Ω
R514	119-1031-15	1/16W 10kΩ
R515	119-1031-15	1/16W 10kΩ
R517	111-1811-88	1/2W 180Ω
R518	111-1521-98	1/4W 1.5kΩ
R519	119-1031-15	1/16W 10kΩ
R523	111-2211-88	1/2W 220Ω
R526	111-1521-98	1/4W 1.5kΩ
R527	119-1021-15	1/16W 1kΩ
R528	119-1031-15	1/16W 10kΩ
R532	119-4721-15	1/16W 4.7kΩ
R533	111-1821-98	1/4W 1.8kΩ
R534	119-1031-15	1/16W 10kΩ
R535	119-1031-15	1/16W 10kΩ
R543	111-6891-98	1/4W 6.8Ω
R544	114-2291-18	1W 2.2Ω
R550	119-1031-15	1/16W 10kΩ
R551	119-4721-15	1/16W 4.7kΩ
R557	119-1021-15	1/16W 1kΩ
R562	119-3341-15	1/16W 330kΩ
R563	119-1041-15	1/16W 100kΩ
R601	119-1031-15	1/16W 10kΩ
R602	119-1031-15	1/16W 10kΩ
R801	119-1041-15	1/16W 100kΩ
R802	119-1041-15	1/16W 100kΩ
R803	119-4731-15	1/16W 47kΩ
R804	119-4731-15	1/16W 47kΩ
R805	119-4721-15	1/16W 4.7kΩ
R806	119-4721-15	1/16W 4.7kΩ

REF No.	PART No.	DESCRIPTION
R807	119-1021-15	1/16W 1kΩ
R808	119-1031-15	1/16W 10kΩ
R809	119-1031-15	1/16W 10kΩ
R810	119-2231-15	1/16W 22kΩ
R811	119-1031-15	1/16W 10kΩ
R812	119-1031-15	1/16W 10kΩ

REF No.	PART No.	DESCRIPTION
R813	119-1031-15	1/16W 10kΩ
R815	119-1031-15	1/16W 10kΩ
R819	119-1031-15	1/16W 10kΩ
R820	119-1031-15	1/16W 10kΩ
R821	119-1031-15	1/16W 10kΩ
R822	119-1031-15	1/16W 10kΩ

REF No.	PART No.	DESCRIPTION
R824	119-1231-15	1/16W 12kΩ
SUP1	060-0122-91	DSP-141N-S00B
TH501	002-0303-90	6.8Ω
X100	061-3013-90	4.332MHz
X401	061-3031-90	4.000MHz
X801	061-1081-90	12MHz

Switch PWB section(B2) : PU-2471A

REF No.	PART No.	DESCRIPTION
D1	001-7053-90	LED orange
D2	001-7053-90	LED orange
D3	001-7053-90	LED orange
D4	001-7053-90	LED orange
D5	001-7053-90	LED orange
D6	001-7053-90	LED orange
D7	001-7053-90	LED orange
D8	001-7053-90	LED orange
D9	001-7053-90	LED orange
D10	001-7053-90	LED orange
D11	001-7053-90	LED orange
D12	001-7053-90	LED orange
D13	001-7053-90	LED orange
D14	001-7053-90	LED orange
D15	001-7053-90	LED orange
D16	001-7053-90	LED orange

REF No.	PART No.	DESCRIPTION
D17	001-7053-90	LED orange
D18	001-7053-90	LED orange
D19	001-7053-90	LED orange
D20	001-7053-90	LED orange
D21	001-7053-90	LED orange
D22	001-7053-90	LED orange
P101	074-1228-68	18P
R1	032-0104-69	1/4W 1.5kΩ (2471A-D,A-F)
R4	032-0104-50	1/4W 560Ω
R5	032-0104-50	1/4W 560Ω (2471A-D,A-F)
R6	032-0104-50	1/4W 560Ω
R7	032-0104-50	1/4W 560Ω (2471A-D,A-F)
R8	032-0104-50	1/4W 560Ω

REF No.	PART No.	DESCRIPTION
R9	032-0104-50	1/4W 560Ω (2471A-D,A-F)
R10	032-0104-50	1/4W 560Ω
R11	032-0104-50	1/4W 560Ω (2471A-D,A-F)
R12	032-0104-50	1/4W 560Ω
R13	032-0104-50	1/4W 560Ω (2471A-D,A-F)
R14	117-0000-05	1/10W 0Ω JW
R15	117-1221-15	1/10W 1.2kΩ (2471A-A,A-B, A-C,A-E)

Switch PWB section(B2) : PU-2472 / PU-2473

REF No.	PART No.	DESCRIPTION
J101	074-1228-68	18P
PL101	017-0454-02	14V40mA(PU-2472)
PL101	017-0345-09	14V40mA(PU-2473)
PL102	017-0454-02	14V40mA(PU-2472)
PL102	017-0454-00	14V40mA(PU-2473)
PL103	017-0454-02	14V40mA(PU-2472)
PL103	017-0454-00	14V40mA(PU-2473)
PL104	017-0454-02	14V40mA(PU-2472)
PL104	017-0454-00	14V40mA(PU-2473)
PL105	017-0454-02	14V40mA(PU-2472)
PL105	017-0345-09	14V40mA(PU-2473)

REF No.	PART No.	DESCRIPTION
S101	013-3741-11	SKQCAE
S102	013-3741-11	SKQCAE
S103	013-3741-11	SKQCAE
S104	013-3741-11	SKQCAE
S105	013-3741-11	SKQCAE
S106	013-3741-11	SKQCAE
S107	013-3741-11	SKQCAE
S108	013-3741-11	SKQCAE
S109	013-3741-11	SKQCAE
S110	013-3741-11	SKQCAE
S111	013-3741-11	SKQCAE

REF No.	PART No.	DESCRIPTION
S112	013-3741-11	SKQCAE
S113	013-3741-11	SKQCAE
S114	013-3741-11	SKQCAE
S115	013-3741-11	SKQCAE
S116	013-3741-11	SKQCAE
S117	013-3741-11	SKQCAE
S118	013-3741-11	SKQCAE
VR101	016-0010-16	VR(PU-2472)
VR101	016-0010-12	VR(PU-2473)

ISO PWB section(B3)

REF No.	PART No.	DESCRIPTION
D1	001-0334-30	RL202
F1	060-0057-56	AUTO FUSE 10A

REF No.	PART No.	DESCRIPTION
J1	074-1159-01	ISO CONNECTOR
P1	076-0324-10	10P

REF No.	PART No.	DESCRIPTION
P2	076-0324-14	14P
T1	009-9006-60	CHOKE COIL

CD PWB section(B4) : CD mechanism

REF No.	PART No.	DESCRIPTION
C101	168-1042-78	0.1μF
C102	045-4701-50	47pF
C103	046-4722-58	4700pF
C104	168-1042-78	0.1μF
C105	046-1532-78	0.015μF
C106	046-1032-78	0.01μF
C107	046-1032-78	0.01μF
C108	046-4722-58	4700pF
C109	046-1522-58	1500pF
C110	046-3332-78	0.033μF
C111	168-1042-78	0.1μF
C112	046-3332-78	0.033μF
C113	168-1042-78	0.1μF
C114	168-1042-78	0.1μF
C115	046-4712-58	470pF
C116	046-4712-58	470pF
C117	043-0533-50	0.047μF
C118	043-0533-50	0.047μF
C119	045-2701-50	27pF
C120	045-1801-50	18pF
C121	163-1063-35	16V10μF
C122	178-1052-78	1μF

REF No.	PART No.	DESCRIPTION
C123	046-1032-78	0.01μF
C124	163-1073-05	4V100μF
C125	168-1042-78	0.1μF
C126	168-1042-78	0.1μF
C129	178-1052-78	1μF
C201	163-3363-05	4V33μF
C202	168-1042-78	0.1μF
C203	178-1052-78	1μF
C204	163-1073-05	4V100μF
C205	163-3363-05	4V33μF
C206	168-1042-78	0.1μF
C207	043-0533-50	0.047μF
C208	046-6822-58	6800pF
C209	168-1042-78	0.1μF
C210	043-0533-50	0.047μF
C211	168-1042-78	0.1μF
C212	168-1042-78	0.1μF
C213	045-5096-50	5pF
C214	045-5601-50	56pF
C215	043-0533-50	0.047μF
C216	178-1052-78	1μF
C217	045-1011-50	100pF

REF No.	PART No.	DESCRIPTION
C301	163-1073-35	16V100μF
C302	168-1042-78	0.1μF
C303	043-0533-50	0.047μF
D201	001-0516-90	MA111
IC101	051-6376-00	TC94A14FA
IC102	051-3279-90	BA033LBSG
IC201	051-5710-90	TA2157F
IC301	051-6049-08	BA5983FP-E2
J101	074-1228-76	26P
J201	074-1138-65	15P
J301	074-1138-60	10P
L101	010-2285-57	BLM21B102SPT
L102	010-2285-57	BLM21B102SPT
L103	010-2285-57	BLM21B102SPT
L104	010-2285-57	BLM21B102SPT
L105	010-2285-57	BLM21B102SPT
L401	010-2155-93	10μH
L401	010-3050-93	10μH
Q201	131-1188-50	2SB1188
R102	033-5621-15	1/16W 5.6kΩ
R104	033-4731-15	1/16W 47kΩ
R105	033-1041-15	1/16W 100kΩ

REF No.	PART No.	DESCRIPTION
R108	033-1531-15	1/16W 15kΩ
R109	033-1031-15	1/16W 10kΩ
R110	033-1051-15	1/16W 1MΩ
R111	033-3321-15	1/16W 3.3kΩ
R114	033-2211-15	1/16W 220Ω
R115	033-2211-15	1/16W 220Ω
R116	033-1031-15	1/16W 10kΩ
R117	033-1021-15	1/16W 1kΩ
R131	033-4711-15	1/16W 470Ω
R132	033-2211-15	1/16W 220Ω
R201	117-2201-15	1/10W 22Ω

REF No.	PART No.	DESCRIPTION
R202	117-2201-15	1/10W 22Ω
R203	033-1041-15	1/16W 100kΩ
R204	033-1041-15	1/16W 100kΩ
R205	033-1041-15	1/16W 100kΩ
R206	033-1041-15	1/16W 100kΩ
R207	033-1041-15	1/16W 100kΩ
R208	033-8231-15	1/16W 82kΩ
R209	033-6811-15	1/16W 680Ω
R210	033-6831-15	1/16W 68kΩ
R211	033-1831-15	1/16W 18kΩ
R212	033-2721-15	1/16W 2.7kΩ

REF No.	PART No.	DESCRIPTION
R213	033-1011-15	1/16W 100Ω
R214	033-1021-15	1/16W 1kΩ
R215	033-1031-15	1/16W 10kΩ
R217	033-1041-15	1/16W 100kΩ
R218	033-2211-15	1/16W 220Ω
R301	117-6811-15	1/16W 680Ω
R304	033-3921-15	1/16W 3.9kΩ
R305	033-3921-15	1/16W 3.9kΩ
R306	033-1041-15	1/16W 100kΩ
R307	033-2211-15	1/16W 220Ω
X102	060-1528-90	16.934M

LED PWB section(B5) : CD mechanism

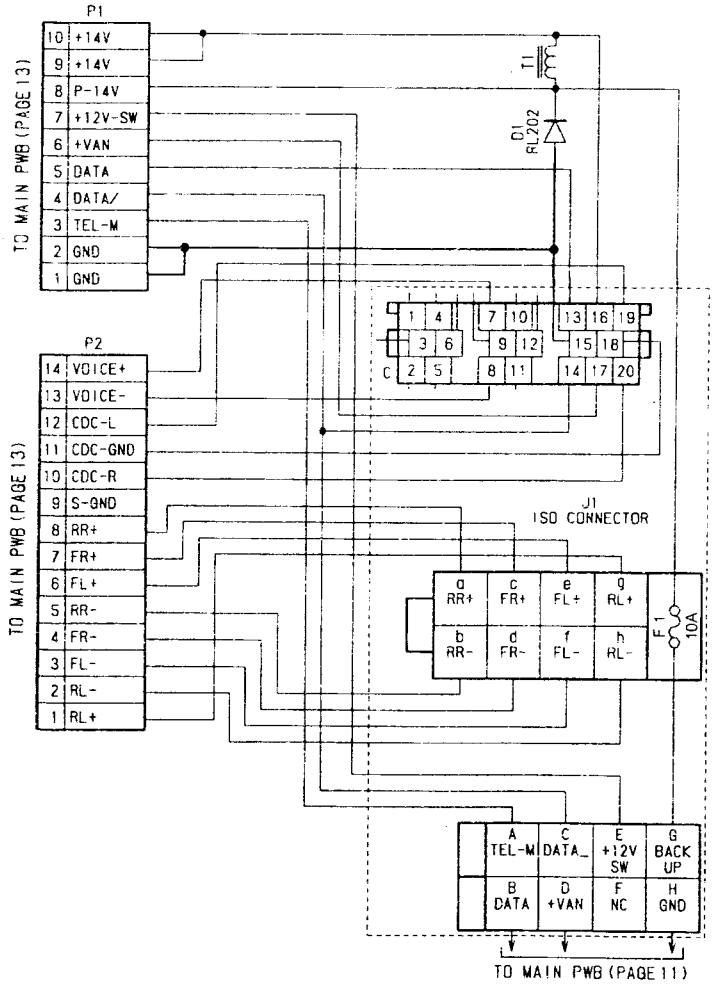
REF No.	PART No.	DESCRIPTION
D1	001-7058-90	AN1105W-RR
D2	001-7058-90	AN1105W-RR
J1	074-1138-60	10P

REF No.	PART No.	DESCRIPTION
Q1	060-4015-90	PS1192H
Q2	060-4015-90	PS1192H

REF No.	PART No.	DESCRIPTION
S1	013-7414-50	CHUCKING
S2	013-7413-50	LIMIT

CIRCUIT DIAGRAM

ISO PWB section(B3)



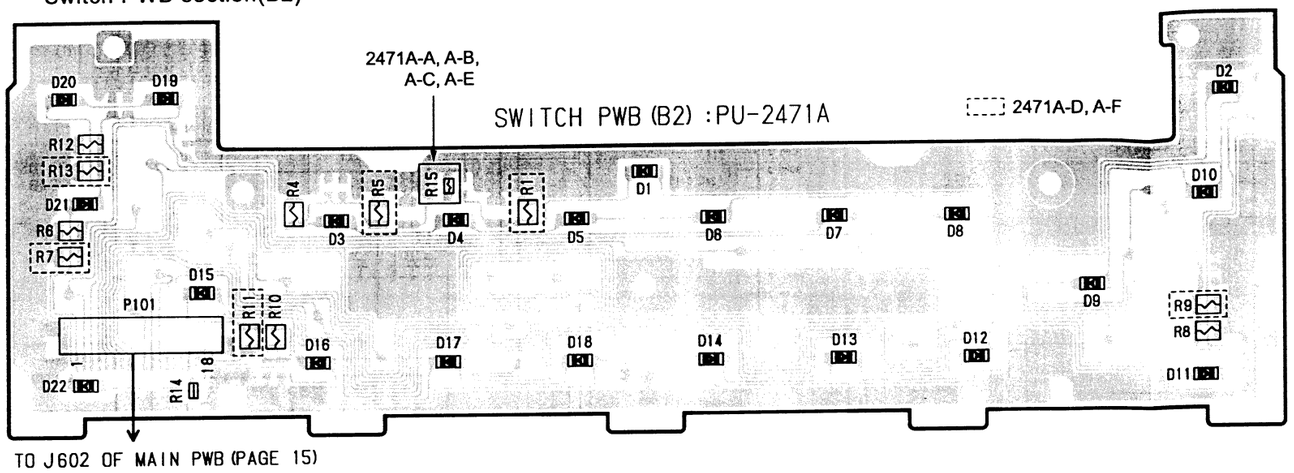
No.	Description
1	N.C
2	N.C
3	N.C
4	N.C
5	N.C
6	N.C
7	VOICE SYN(+)
8	VOICE SYN(-)
9	N.C
10	N.C
11	N.C
12	N.C
13	VAN DATA
14	VAN DATA/
15	CD A/C GND
16	CD A/C B/U
17	+VAN
18	CD A/C S-GND
19	CD A/C L
20	CD A/C R

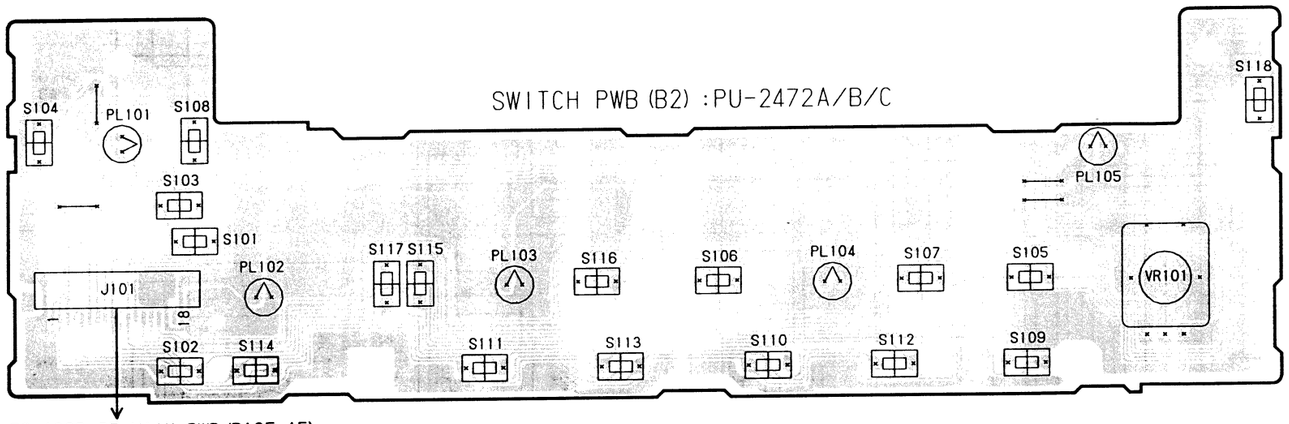
No.	Description
a	REAR SP R-CH(+)
b	REAR SP R-CH(-)
c	FRONT SP R-CH(+)
d	FRONT SP R-CH(-)
e	FRONT SP L-CH(+)
f	FRONT SP L-CH(-)
g	REAR SP L-CH(+)
h	REAR SP L-CH(-)

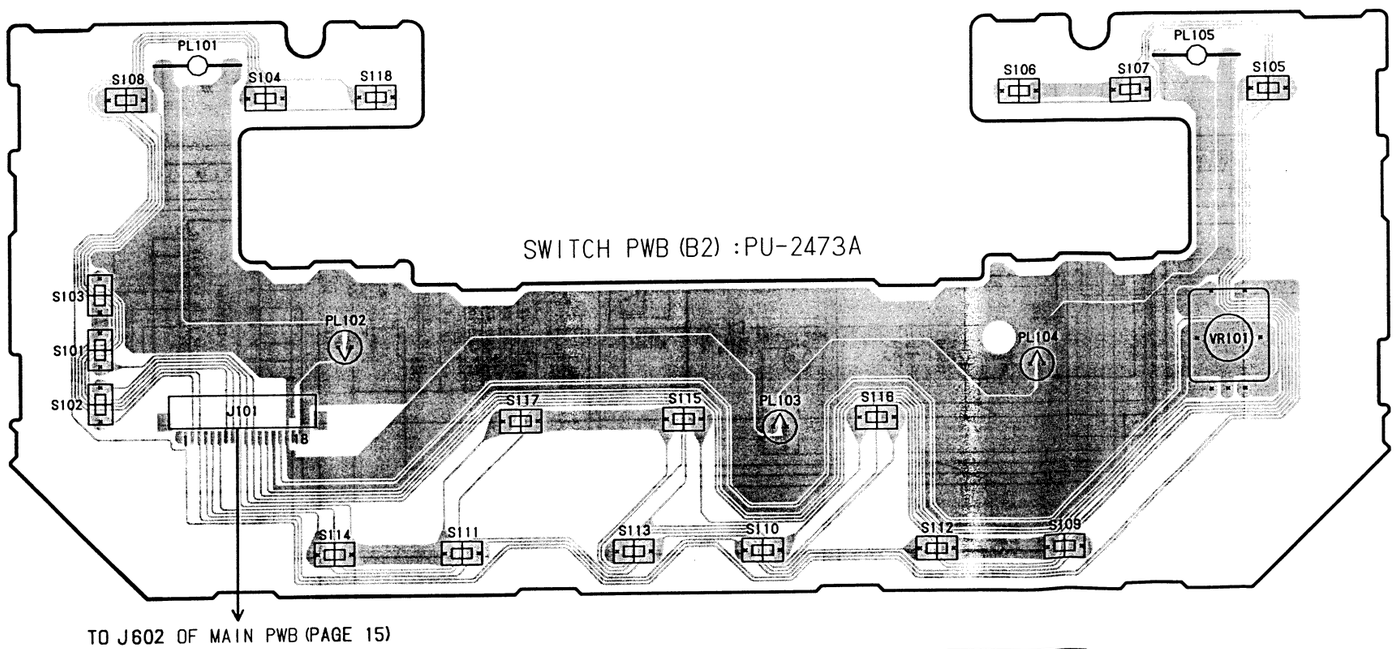
No.	Description
A	TEL MUTE
B	DATA
C	DATA/
D	+VAN
E	+12V SW
F	N.C
G	BACK UP
H	GND

■PRINTED WIRING BOARD

Switch PWB section(B2)

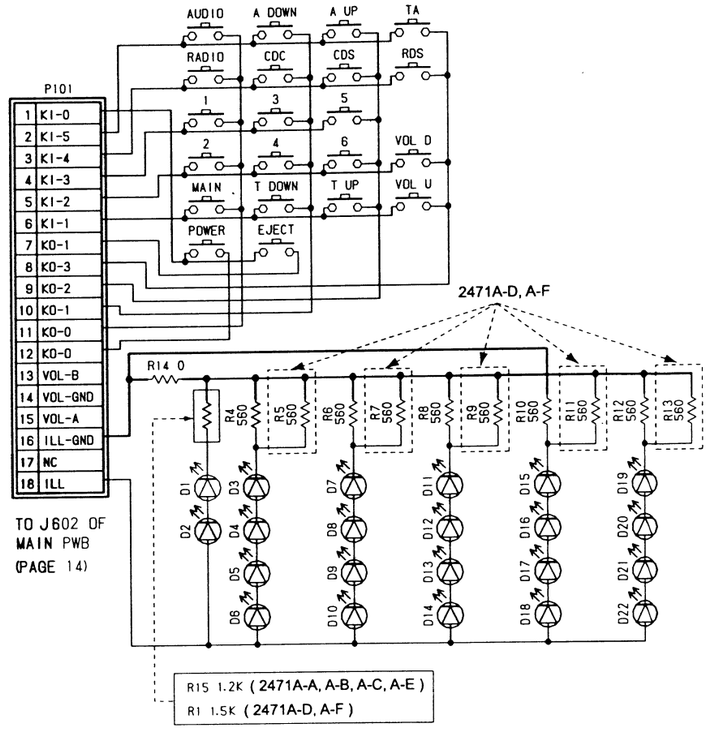




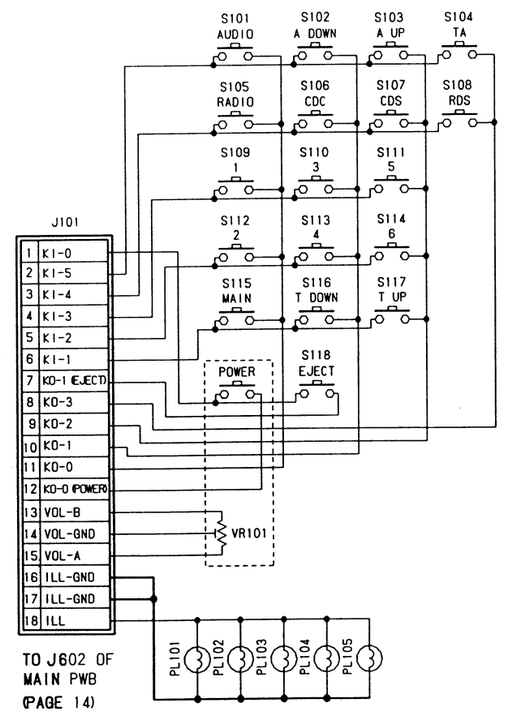


■CIRCUIT DIAGRAM

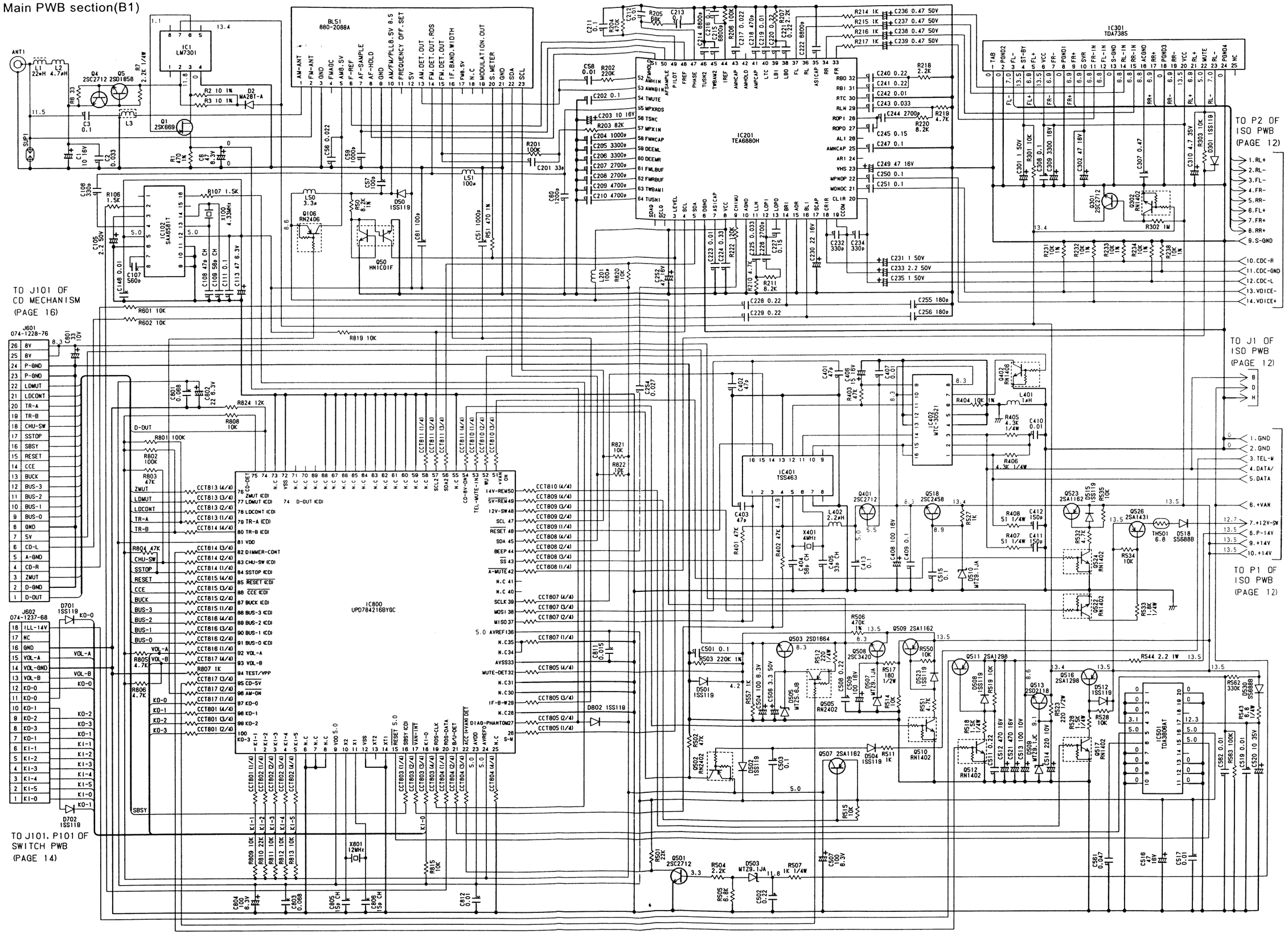
Switch PWB section(B2) : PU-2471A



Switch PWB section(B2) : PU-2472 / PU-2473

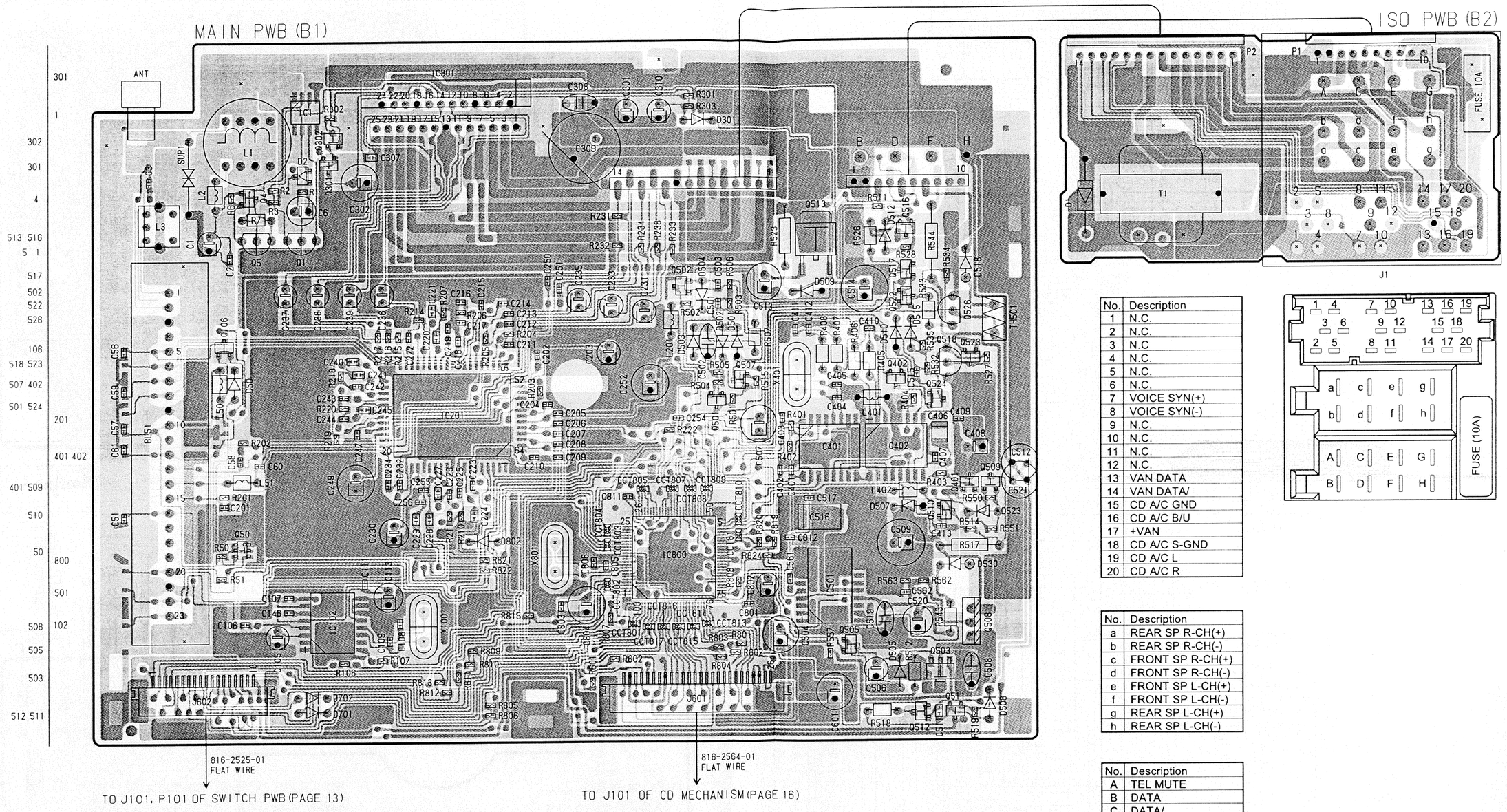


Main PWB section(B1)



■PRINTED WIRING BOARD

Main PWB(B1) / ISO PWB(B2) section



No.	Description
1	N.C.
2	N.C.
3	N.C
4	N.C.
5	N.C.
6	N.C.
7	VOICE SYN(+)
8	VOICE SYN(-)
9	N.C.
10	N.C.
11	N.C.
12	N.C.
13	VAN DATA
14	VAN DATA/
15	CD A/C GND
16	CD A/C B/U
17	+VAN
18	CD A/C S-GND
19	CD A/C L
20	CD A/C R

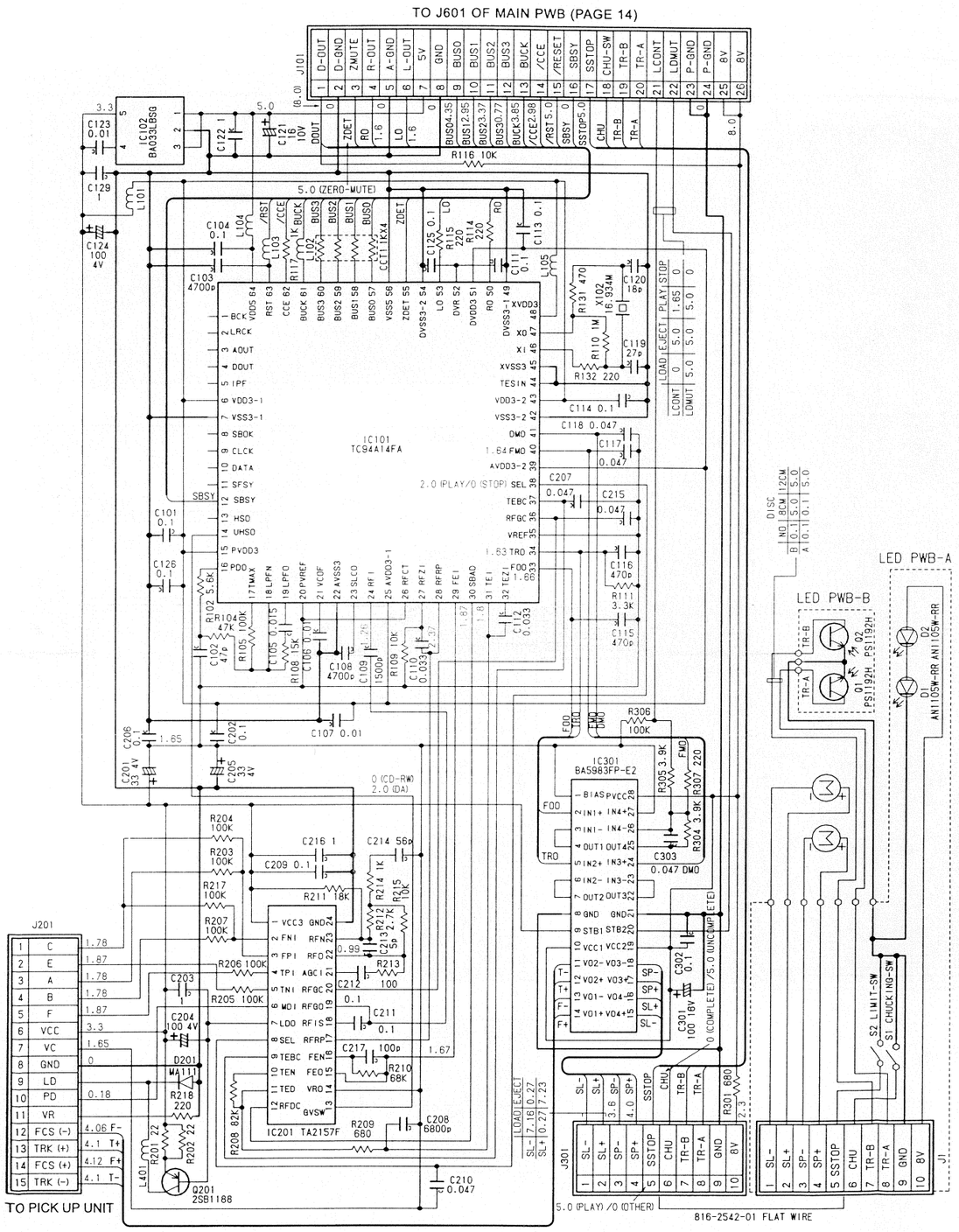
No.	Description
a	REAR SP R-CH(+)
b	REAR SP R-CH(-)
c	FRONT SP R-CH(+)
d	FRONT SP R-CH(-)
e	FRONT SP L-CH(+)
f	FRONT SP L-CH(-)
g	REAR SP L-CH(+)
h	REAR SP L-CH(-)

No.	Description
A	TEL MUTE
B	DATA
C	DATA/
D	+VAN
E	+12V SW
F	N.C.
G	BACK UP
H	GND

MARKS ● AND MARKS GND ARE ON THE GROUND OF THE DIP LAYER.

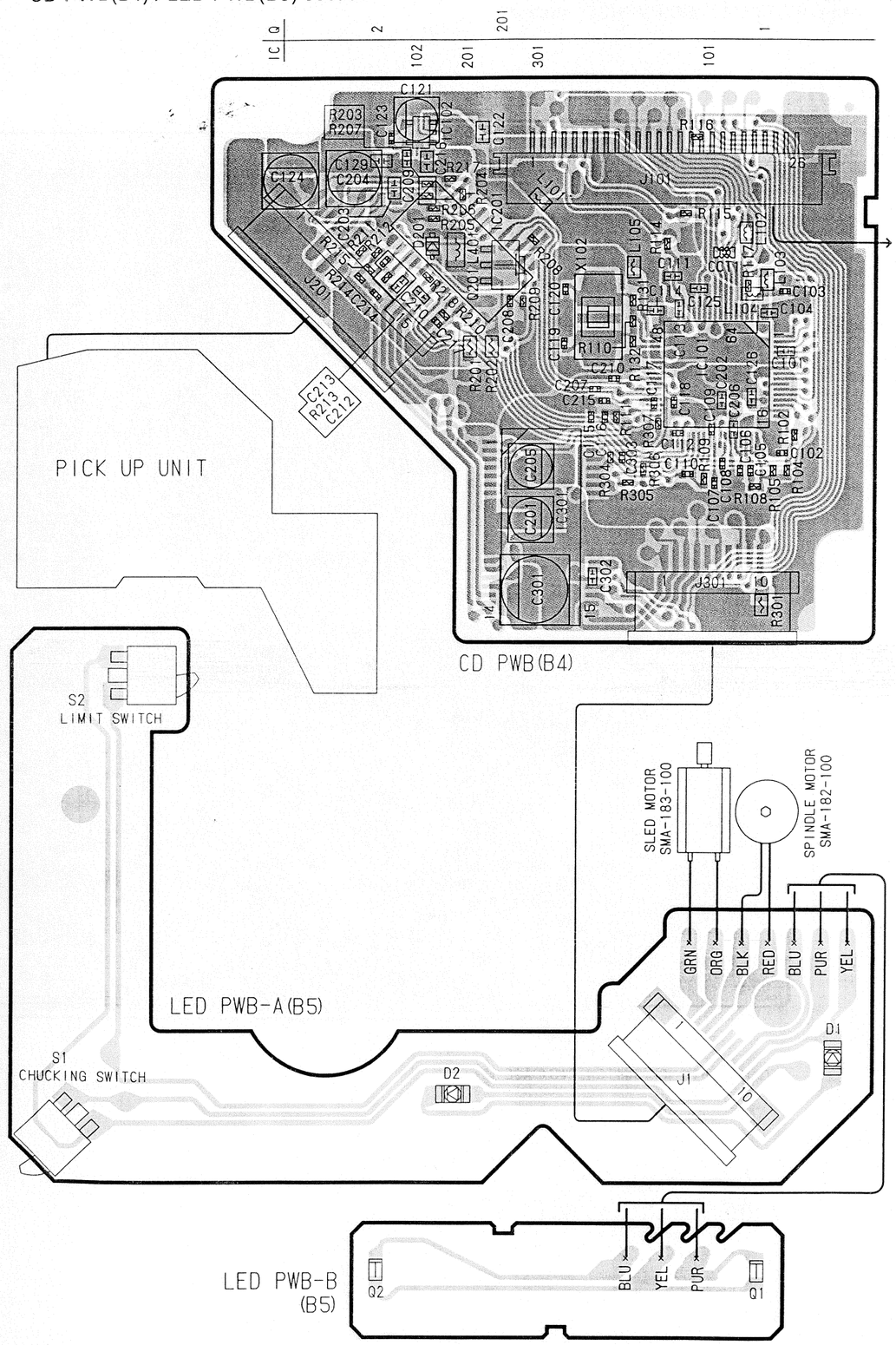
■CIRCUIT DIAGRAM

CD PWB(B4) / LED PWB(B5) section



■PRINTED WIRING BOARD

CD PWB(B4) / LED PWB(B5) section



PU-2471 /
PU-2472 / 2473